

Claims

- [c1] What is claimed is:
1. A fluid container comprising:
 - a housing having a first side wall and a second side wall, the first side wall having a first inner surface;
 - a print head installed at bottom of the housing for injecting fluid onto a document;
 - a first side fluid well formed inside the housing, the first side fluid well being formed between the first inner surface and a first inner wall, the first inner surface being formed such that a width of the first side fluid well continuously decreases from top to bottom;
 - a center fluid well formed inside the housing, the center fluid well being formed between the first inner wall and a second inner wall such that a width of the center fluid well continuously decreases from top to bottom;
 - a second side fluid well formed inside the housing, the second side fluid well being formed between the second inner wall and the second side wall;
 - a first side fluid pipe formed between the first side fluid well and the print head for connecting the first side fluid well and the print head; and
 - a first side filter installed between the first side fluid well and the first side fluid pipe for filtering fluid transmitted from the first side fluid well, the first side filter disposed such that a horizontal distance from the first side filter to the first inner surface continuously decreases from top to bottom.
 - [c2] 2. The fluid container of claim 1 further comprising porous members positioned inside the center fluid well, the first side fluid well, and the second side fluid well for absorbing fluid.
 - [c3] 3. The fluid container of claim 1 further comprising a center fluid pipe formed between the center fluid well and the print head for connecting the center fluid well and the print head.
 - [c4] 4. The fluid container of claim 3 further comprising a center filter horizontally installed on a top end of the center fluid pipe for filtering fluid transmitted from the center fluid well.

- [c5] 5. The fluid container of claim 1 further comprising a second side fluid pipe formed between the second side fluid well and the print head for connecting the second side fluid pipe and the print head.
- [c6] 6. The fluid container of claim 5 further comprising a second side filter installed between the second side fluid well and the second side fluid pipe for filtering fluid transmitted from the second side fluid well.
- [c7] 7. The fluid container of claim 1 wherein the center fluid well, the first side fluid well, and the second side fluid well are used to store ink of three different colors.
- [c8] 8. A fluid container comprising:
a housing having a first side wall and a second side wall, the first side wall having a first inner surface;
a print head installed at bottom of the housing for injecting fluid onto a document;
a first side fluid well formed inside the housing, the first side fluid well being formed between the first inner surface and a first inner wall, the first inner surface being formed such that a width of the first side fluid well continuously decreases from top to bottom;
a center fluid well formed inside the housing, the center fluid well being formed between the first inner wall and a second inner wall;
a porous member positioned inside the first side fluid well for absorbing fluid;
a first side fluid pipe formed between the first side fluid well and the print head for connecting the first side fluid well and the print head; and
a first side filter installed between the first side fluid well and the first side fluid pipe for filtering fluid transmitted from the first side fluid well, the first side filter disposed such that the first side filter applies compression continuously increasing from top to bottom of a portion of the porous member contacting the first side filter.
- [c9] 9. The fluid container of claim 8 further comprising a center fluid pipe formed between the center fluid well and the print head for connecting the center fluid well and the print head.

- [c10] 10. The fluid container of claim 9 further comprising a center filter horizontally installed on a top end of the center fluid pipe for filtering fluid transmitted from the center fluid well.
- [c11] 11. The fluid container of claim 8 wherein a width of the center fluid well continuously decreases from top to bottom.
- [c12] 12. The fluid container of claim 8 further comprising a second side fluid well formed inside the housing, the second side fluid well being formed between the second inner wall and the second side wall.
- [c13] 13. The fluid container of claim 12 further comprising porous members positioned inside the center fluid well and the second side fluid well for absorbing fluid.
- [c14] 14. The fluid container of claim 12 wherein the center fluid well, the first side fluid well, and the second side fluid well are used to store ink of three different colors.
- [c15] 15. The fluid container of claim 12 further comprising a second side fluid pipe formed between the second side fluid well and the print head for connecting the second side fluid pipe and the print head.
- [c16] 16. The fluid container of claim 15 further comprising a second side filter installed between the second side fluid well and the second side fluid pipe for filtering fluid transmitted from the second side fluid well.
- [c17] 17. The fluid container of claim 16 wherein the second side filter is disposed such that a horizontal distance from the second side filter to the second side wall continuously decreases from top to bottom.